

Title (en)

Apparatus for producing symmetrical fluid entangled non-woven fabrics and related method.

Title (de)

Vorrichtung zur Herstellung von symmetrischen, mittels einer Flüssigkeit verflochtenen, nichtgewebten Stoffbahnen und entsprechendes Verfahren.

Title (fr)

Appareil pour la production d'étoffes non tissées symétriques, entrelacées au moyen d'un fluide, et procédé à cet effet.

Publication

EP 0337451 B1 19940302 (EN)

Application

EP 89106586 A 19890413

Priority

US 18128488 A 19880414

Abstract (en)

[origin: EP0337451A2] An apparatus and related process for entangling a staple fibrous web which employs divergent fluid jets. The web is advanced through an entangling station on a conveying means which supports an entangling member having a symmetrical pattern of fluid pervious void areas. The divergent jet sprays which are disposed above the entangling member direct a continuous curtain of fluid onto the web, coacting with the entangling member to entangle web fibers into a coherent lattice structure. The divergent jet sprays are provided by nozzles having wide orifice diameters which accommodate less complex fluid recirculation and filtration systems than employed in the prior art columnar jet processes.

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D04H 1/44

IPC 8 full level

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